

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	13	((Ichiroh near2 Yamasaki) (Tohru near2 Nunoi)).in.	US-PGPUB; USPAT	OR	ON	2008/10/23 18:25
S2	17780	sharp.as.	US-PGPUB; USPAT	OR	ON	2008/10/23 18:27
S4	8	((Ichiroh near2 Yamasaki) (Tohru near2 Nunoi))	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/23 18:41
S5	913	136/246.ccls.	US-PGPUB; USPAT	OR	ON	2008/10/23 18:48
S6	92220	sharp.as.	JPO	OR	ON	2008/10/23 18:49
S7	30410	solar photo\$1vol\$8 and photo\$1elect\$8	JPO	OR	ON	2008/10/23 18:49
S8	336	S6 and S7 and conduct \$8	JPO	OR	ON	2008/10/23 18:49
S9	16	S6 and S7 and (concav \$6 convex)	JPO	OR	ON	2008/10/23 18:50
S10	107	136/246.ccls.	JPO	OR	ON	2008/10/23 18:51
S11	2	("6046542" "6207890").PN.	US-PGPUB; USPAT	OR	ON	2008/10/23 18:53
S12	10	("4253882" "4644091" "4767336" "4956685" "5704992").PN. OR ("6207890").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/23 18:53
S13	79619	solar photo\$1vol\$8 and photo\$1elect\$8	US-PGPUB; USPAT	OR	ON	2008/10/23 18:54
S14	11321	semi\$1conduct\$8 same (concave convex)	US-PGPUB; USPAT	OR	ON	2008/10/23 18:54
S15	264	S13 and S14	US-PGPUB; USPAT	OR	ON	2008/10/23 18:54
S16	2264	S14 same thick\$6	US-PGPUB; USPAT	OR	ON	2008/10/23 18:57
S17	71	S13 and S16	US-PGPUB; USPAT	OR	ON	2008/10/23 18:58
S18	4	S2 and S13 and S14	US-PGPUB; USPAT	OR	ON	2008/10/23 19:03

S19	5	JP-62123778-\$.DID. OR JP-04356972-\$. DID. OR JP-11340486- \$.DID. OR JP- 2000323735-\$.DID. OR JP-10117005-\$.DID.	JPO	OR	ON	2008/10/23 19:09
S20	1	"6023020".pn.	USPAT	OR	ON	2008/10/23 19:11
S21	5	("4612411" "5078804" "5479939").PN. OR ("6023020").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/23 19:11
S22	77898	solar photo\$1vol\$8 photo\$1elect\$8	JPO	OR	ON	2008/10/30 11:46
S23	2808	semi\$1conduct\$8 and (convex concave)	JPO	OR	ON	2008/10/30 11:47
S24	95	S22 and S23	JPO	OR	ON	2008/10/30 11:47
S25	1	"03070183"	JPO	OR	ON	2008/10/30 13:56
S26	27865	solar photo\$1vol\$8 photo\$1elect\$8	USOCR	OR	ON	2008/10/30 15:05
S27	616	semi\$1conduct\$8 and (convex concave)	USOCR	OR	ON	2008/10/30 15:06
S28	97	S26 and S27	USOCR	OR	ON	2008/10/30 15:06
S29	27	(nishitani near2 Mikihiko).in. and (solar photovol\$8 photoelect \$8)	US-PGPUB; USPAT	OR	ON	2008/10/30 15:51
S30	5	("4612411" "5078804" "5479939").PN. OR ("6023020").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/30 15:54
S31	11	((Okuno near2 tetsuhiro) (moriuchi near2 sota) (nakajima near2 kazutaka) (yokozawa near2 yuji) (nunoi near2 toru) (okamoto near2 koji)). in. and (solar photovol \$8 photoelect\$8)	US-PGPUB; USPAT	OR	ON	2008/10/30 16:33

S32	149	((Okuno near2 tetsuhiro) (moriuchi near2 sota) (nakajima near2 kazutaka) (yokozawa near2 yuji) (nunoi near2 toru) (okamoto near2 koji)). in. and (solar photovol \$8 photoelect\$8)	JPO	OR	ON	2008/10/30 16:42
S33	4	(JP-07202232-\$ JP- 08078710-\$ JP- 08162656-\$ JP- 09069643-\$).DID.	JPO	OR	ON	2008/10/30 17:01
S34	181309	solar photo\$1vol\$8 photo\$1elect\$8	US-PGPUB; USPAT	OR	ON	2008/10/30 17:02
S35	12369	semi\$1conduct\$8 same (convex\$6 concav\$6)	US-PGPUB; USPAT	OR	ON	2008/10/30 17:03
S36	995	S34 and S35	US-PGPUB; USPAT	OR	ON	2008/10/30 17:03
S37	11	S36 and 136/246.ccls.	US-PGPUB; USPAT	OR	ON	2008/10/30 17:03
S38	26	("4126150" "4328390" "4497974" "4554727" "4571448").PN. OR ("5244509").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/30 17:06
S39	9	("4419533" "4694317" "4941032" "5244509" "5486238").PN. OR ("5770463").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/30 17:09
S40	8	("4956685" "5244509" "5370747").PN. OR ("5549763").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/30 17:18
S41	1	"5244509".pn.	US-PGPUB; USPAT	OR	ON	2009/03/26 10:50
S42	26	("4126150" "4328390" "4497974" "4554727" "4571448").PN. OR ("5244509").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/26 10:51
S43	8	("4956685" "5244509" "5370747").PN. OR ("5549763").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/26 11:50
S44	5	("4612411" "5078804" "5479939").PN. OR ("6023020").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/26 14:11

S45	9858	semiconduct\$6 with (concave convex uneven)	US-PGPUB; USPAT	OR	ON	2009/03/26 14:22
S46	1758	S45 same thickness	US-PGPUB; USPAT	OR	ON	2009/03/26 14:24
S47	12371	"136" clas.	US-PGPUB; USPAT	OR	ON	2009/03/26 14:24
S48	33	S46 and S47	US-PGPUB; USPAT	OR	ON	2009/03/26 14:24
S49	131	S45 and S47	US-PGPUB; USPAT	OR	ON	2009/03/26 14:24
S50	62	(OKAMOTO near2 KOJI).in.	US-PGPUB; USPAT	OR	ON	2009/03/26 14:42
S51	18379	sharp.as.	US-PGPUB; USPAT	OR	ON	2009/03/26 14:42
S52	120	S51 and (solar photovoltaic photoelectric) and (convex concave)	US-PGPUB; USPAT	OR	ON	2009/03/26 14:42
S53	158094	solar photovoltaic photoelectric	US-PGPUB; USPAT	OR	ON	2009/04/01 10:33
S54	23774	collect\$6 near electrode	US-PGPUB; USPAT	OR	ON	2009/04/01 10:33
S55	2305	S53 and S54	US-PGPUB; USPAT	OR	ON	2009/04/01 10:33
S56	39989	semi\$1conduct\$8 same (concave convex peak trough uneven\$6)	US-PGPUB; USPAT	OR	ON	2009/04/01 10:34
S57	298	S55 and S56	US-PGPUB; USPAT	OR	ON	2009/04/01 10:34
S58	130	S57 and "136".clas.	US-PGPUB; USPAT	OR	ON	2009/04/01 10:34
S59	62	(Koji near2 Okamoto). in.	US-PGPUB; USPAT	OR	ON	2009/04/01 13:34
S60	3	S53 and S59	US-PGPUB; USPAT	OR	ON	2009/04/01 13:34
S61	12	"59014682" "59123283" "59175170" "60063968" "61290712" "03071677" "03276682" "04139769" "07202232" "08078710" "08162656" "09069643"	JPO	OR	ON	2009/09/04 17:22

S62	441	(i-type non?doped) near2 (layer surface) with (dopant doping doped) with (form\$6 grow\$4) with p-type	US-PGPUB; USPAT	OR	ON	2009/09/30 17:33
S63	54	S62 and "136".clas.	US-PGPUB; USPAT	OR	ON	2009/09/30 17:34
S64	5	("20030178630" "3489615" "4719152" "6080928" "6472594").PN.	US-PGPUB; USPAT	OR	ON	2009/09/30 17:59
S65	12	("4532372" "4571448" "4598306").PN. OR ("6072117").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/30 18:04
S66	12	("20050217717" "4269170" "4511638" "4528252" "4545646" "5306915" "5482570" "5910940" "6072117" "6563041" "6623615" "6969472").PN. OR ("7485799").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/30 18:06
S67	72274	solar photovoltaic photoelectric	JPO	OR	ON	2009/09/30 18:29
S68	23497	collect\$6 and electrode	JPO	OR	ON	2009/09/30 18:29
S69	881	S67 and S68	JPO	OR	ON	2009/09/30 18:29
S70	116	S69 and "136".clas.	JPO	OR	ON	2009/09/30 18:29
S71	425	(current near4 collect \$5 near4 electrode) and "136".clas.	US-PGPUB; USPAT	OR	ON	2009/09/30 18:33
S72	1765	(P-I-N with semiconductor)	US-PGPUB; USPAT	OR	ON	2009/09/30 18:34
S73	92	S71 and S72	US-PGPUB; USPAT	OR	ON	2009/09/30 18:34
S74	33	(P-I-N with semiconductor) and (concave convex) and "136".clas.	US-PGPUB; USPAT	OR	ON	2009/10/01 11:25
S75	33	(PN with junction) and (concave convex) and (collect\$4 near6 electrode) and "136".clas.	US-PGPUB; USPAT	OR	ON	2009/10/01 16:01

S76	12	("4532372" "4571448" "4598306"). PN. OR ("6072117"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/02 15:28
S77	59080	collect\$6 near4 electrode	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/02 15:49
S78	63983	n-type with semiconduct\$6	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/02 15:49
S79	12	S77 same S78 same (direct near6 contact)	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/02 15:50
S80	1269	S77 same S78	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/02 15:50
S81	155	S80 and "136".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/02 15:50
S82	147	S80 and "136".clas.	US-PGPUB; USPAT	OR	ON	2009/10/02 15:54
S83	15	((N-I-P "NIP") with semiconductor) and (concave convex) and "136".clas.	US-PGPUB; USPAT	OR	ON	2009/10/02 19:24
S84	189	((N-I-P "NIP") with semiconductor) and "136".clas.	US-PGPUB; USPAT	OR	ON	2009/10/02 19:28
S85	84	semiconductor same (concave convex) and "136".clas.	US-PGPUB; USPAT	OR	ON	2009/10/03 14:43
S86	327	semiconductor with (textur\$6 uneven\$6) and "136".clas.	US-PGPUB; USPAT	OR	ON	2009/10/03 15:21
S87	30	semiconductor with (uneven\$4 textur\$6) same light near4 confinement	US-PGPUB; USPAT	OR	ON	2009/10/03 20:10
S88	10	S87 and "136".clas.	US-PGPUB; USPAT	OR	ON	2009/10/03 20:10
S89	16	semiconductor with light near4 confinement and "136". clas.	US-PGPUB; USPAT	OR	ON	2009/10/03 20:14
S90	10	(PN near junction) with (concave convex uneven) and "136". clas.	US-PGPUB; USPAT	OR	ON	2009/10/20 17:30

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